Claims

1. A boiler apparatus for leading fluid from a plurality of upper walls to a ceiling wall through a ceiling wall inlet header, characterized in that a ceiling wall inlet mixing header is installed between the plurality of upper walls and the ceiling wall inlet header.

2. A boiler apparatus according to Claim 1, characterized in that the plurality of upper walls are side walls, a front wall and a screen pipe.

3. A boiler apparatus according to Claim 1, characterized in that a bent portion is provided in a part of the ceiling wall inlet mixing header.

4. A boiler apparatus according to Claim 3, characterized in that the ceiling wall inlet mixing header is bent in an L-shape.

5. A boiler apparatus according to Claim 1, characterized in that the ceiling wall inlet mixing header is installed substantially in a central portion in a furnace width direction, and mixing header outlet connecting ducts are arranged substantially symmetrically with respect to the ceiling wall inlet mixing header so as to connect the ceiling wall inlet mixing header with the ceiling wall inlet header.

CLAIMS

CLAIMS IN AMENDMENT

[RECEIVED BY INTERNATIONAL BUREAU ON NOVEMBER 17, 2004 (17. 11. 04): CLAIMS 1, 2, 4 AND 5 IN ORIGINAL APPLICATION WERE CORRECTED; CLAIM 3 IN ORIGINAL APPLICATION WAS CANCELED; AND OTHER CLAIMS WERE NOT CHANGED. (1 PAGE)]

1. (corrected) A boiler apparatus for leading fluid from a plurality of upper walls to a ceiling wall through a ceiling wall inlet header, characterized in that:

a ceiling wall inlet mixing header is installed between the plurality of upper walls and the ceiling wall inlet header; and

the ceiling wall inlet mixing header has a bent portion halfway, and the upper walls are connected to vicinities of one end portion of the ceiling wall inlet mixing header through mixing header inlet connecting ducts while the ceiling wall inlet header is connected to vicinities of the other end portion of the ceiling wall inlet mixing header through mixing header outlet connecting ducts.

2. (corrected) A boiler apparatus according to Claim 1, characterized in that holes to be connected to the mixing header inlet connecting ducts respectively are formed substantially

on one and the same line near the one end portion of the ceiling wall inlet mixing header.

3. (deleted)

4. (corrected) A boiler apparatus according to Claim 1, characterized in that the ceiling wall inlet mixing header is bent in an L-shape.

5. (corrected) A boiler apparatus according to Claim 1, characterized in that the ceiling wall inlet mixing header is installed substantially in a central portion in a furnace width direction, and the mixing header outlet connecting ducts are disposed substantially symmetrically with respect to the ceiling wall inlet mixing header.

STATEMENT UNDER ARTICLE 19(1) OF THE CONVENTION

STATEMENT

STATEMENT UNDER ARTICLE 19 OF THE CONVENTION

(1) It was made clear in Claim 1 that the ceiling wall inlet mixing header has a bent portion halfway, and the upper walls are connected to vicinities of one end portion of the ceiling wall inlet mixing header through mixing header inlet connecting ducts while the ceiling wall inlet header is connected to vicinities of the other end portion of the ceiling wall inlet mixing header through mixing header outlet connecting ducts.

Any reference has no description about that a bent portion is provided halfway in the ceiling wall inlet mixing header, and the upper walls are connected to vicinities of one end portion of the ceiling wall inlet mixing header through mixing header inlet connecting ducts while the ceiling wall inlet header is connected to vicinities of the other end portion of the ceiling wall inlet mixing header through mixing header outlet connecting ducts.

(2) It was made clear in Claim 2 that holes to be connected to the mixing header inlet connecting ducts respectively are formed substantially on one and the same line near the one end portion of the ceiling wall inlet mixing header.

Any reference has no description about such a configuration.

(3) Claim 4 was corrected as to its dependence.

(4) Since the mixing header outlet connecting ducts were explained in Claim 1, description of the mixing header outlet connecting ducts was omitted from Claim 5.